PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION as	see Form PCT/ISA/220 well as, where applicable, item 5 below.
SMC 60632/WO International application No.	International filing date (day/month/year,	
	25/11/2004	28/11/2003
PCT/GB2004/004973 Applicant	23/11/2004	20,11,2003
AVECIA LIMITED		
according to Article 18. A copy is being tra This International Search Report consists	ansmitted to the International Bureau.	Authority and is transmitted to the applicant this report.
i, is also assumptions of		
Basis of the report a. With regard to the language, the language in which it was filed, units and the language in which it was filed, units and the language in which it was filed.	international search was carried out on the less otherwise indicated under this item.	e basis of the international application in the
The international this Authority (Ru		anslation of the international application furnished to
b. With regard to any nucle	otide and/or amino acid sequence disclo	osed in the international application, see Box No. I.
2. Certain claims were fou	ind unsearchable (See Box II).	•
3. X Unity of invention is lac	king (see Box III).	
4. With regard to the title,		-
	ubmitted by the applicant.	
	shed by this Authority to read as follows: G LAYER FORMULATIONS COMP	RISING POLYACENES AND ORGANIC
5. With regard to the abstract,		
I	ubmitted by the applicant.	
the text has been establic may, within one month from	shed, according to Rule 38.2(b), by this Au om the date of mailing of this international	ethority as it appears in Box No. IV. The applicant search report, submit comments to this Authority.
6. With regard to the drawings,		
_	published with the abstract is Figure No	
as suggested by		o suggest a figure
	is Authority, because the applicant failed to tis Authority, because this figure better cha	
	pe published with the abstract.	

International application No. PCT/GB2004/004973

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims. .
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-25
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-25

Organic semiconductor formulation comprising a) an organic binder and b) polyacenes according to formula A for use in OFETs.

2. claim: 26

Silylethinyl and fluorinated pentacene derivative according to formula 3.

INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/004973

A. CLASSIFICATION OF SUBJECT MATTER I PC 7 H01B1/12 H01B1/20

C08L39/04

H01L51/30

H01L51/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 HO1B HO1L CO8L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	WO 02/45184 A (AVECIA LIMITED; BROWN, BEVERLEY, ANNE; CUPERTINO, DOMENICO, CARLO; LEE) 6 June 2002 (2002-06-06) cited in the application page 4, line 10 - line 30; claims 1-5	1-4,9-22
X	WO 03/030278 A (KONINKLIJKE PHILIPS ELECTRONICS N.V) 10 April 2003 (2003-04-10) cited in the application page 4, line 1 - page 5, line 6; table 2	1-4,9-22
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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.	
Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
 "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use. exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 	
Date of the actual completion of the international search 22 March 2005	Date of mailing of the international search report 0 2 06. 2005	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Marsitzky, D	

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004973

C (C==+!=	uation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC1/GB2004/0049/3
Category 6		Relevant to claim No.
Calegory	Silvers of Goodinerit, min moreation, where appropriate, of the relevant passages	neievani to daim No.
А	SHERAW, JACKSON, EATON, ANTHONY: "Functionalized Pentacene Active Layer Organic Thin-Film Transistors" ADVANCED MATERIALS, vol. 15, no. 32, 15 October 2003 (2003-10-15), pages 2009-2011, XP002321980 whole document	1-25
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2004/004973

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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WO 03030278	A 10-04-2003	CN 1561552 A EP 1438757 A2 WO 03030278 A2 JP 2005505142 T US 2003067005 A1	05-01-2005 21-07-2004 10-04-2003 17-02-2005 10-04-2003